

Amendment to the Claims

1.(Currently Amended) A wet gas purification method for removing ammonia ~~in a~~ from a coal or heavy oil gasification gas, the method comprising:

a water-washing step for absorbing ammonia in the gas into absorbent to remove the ammonia comprising a gas cleaning step and a gas cooling step which is carried out upstream of the gas cleaning step in a gasification gas flow direction,

wherein an amount of absorbent make-up water for absorbing ammonia is charged into the coal or heavy oil gasification gas in the gas cleaning step, part of the absorbent used in the gas cleaning step is sent to the gas cooling step such that ammonia is absorbed into the absorbent to be removed from the gasification gas in both the gas cooling and the gas cleaning step, and at least a portion of the absorbent make-up water is discharged from the washing step; and

an ammonia treating step for stripping the ammonia from the absorbent make-up water discharged after the water-washing step to separate the discharged absorbent make-up water into an off-gas containing ammonia from and an effluent,

wherein [[,]] the amount of absorbent makeup water is charged continuously or intermittently in the water-washing gas cleaning step is controlled so that the concentration of ammonia in the gasification gas after the gas cleaning step is 10 ppm or lower after the water-washing step.

2. (Cancelled)

3.(Previously Presented) The wet gas purification method according to claim 1, further comprising a step of burning the off-gas after the ammonia treating step.

4.(Currently Amended) The wet gas purification method according to claim 1, wherein the effluent in the ammonia treating step is circulated to the washing step as absorbent make-up water.

5.(Currently Amended) A wet gas purification system for removing ammonia ~~in the~~ from a coal or heavy gasification gas, the system comprising:

[[a]] water-washing tower towers for absorbing ammonia in the gas into absorbent to remove the ammonia; comprising a gas cleaning tower with a gasification gas outlet and a gas cooling tower which is located upstream of the gas cleaning tower in a gasification gas flow direction,

the gas cooling and the gas cleaning tower being coupled such that absorbent make-up water charged and used in the gas cleaning tower can be sent to the gas cooling tower, allowing ammonia to be absorbed by the absorbent make-up water in both the gas cooling tower and the gas cleaning tower; and

an ammonia stripper operatively connected to the gas cooling tower for receiving absorbent make-up water discharged from the gas cooling tower, the ammonia stripper being configured for stripping the ammonia from absorbent discharged downstream of the water-washing from the gas cleaning tower to separate the discharged absorbent make-up water into an off-gas containing ammonia from and an effluent;

wherein [[,]] makeup water is charged continuously or intermittently in the water-washing tower so that the concentration of ammonia at the gasification gas outlet is can be maintained at 10 ppm or lower on the downstream of the water-washing tower by controlling the amount of absorbent make-up water charged in the gas cleaning tower.

6. (Cancelled)

7.(Currently Amended) The wet gas purification system according to claim 5, further comprising an off-gas fired furnace for burning the off-gas downstream of the ammonia stripper.

8.(Currently Amended) The wet gas purification system according to claim 5, wherein the ~~effluents~~ effluent from the ammonia stripper ~~are~~ can be circulated to the water-washing ~~tower~~ towers as absorbent make-up water.